(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



TERNI KARAN KARAN KARAN KANAN BANAN KARAN KA

(43) International Publication Date 28 July 2005 (28.07.2005)

PCT

(10) International Publication Number WO 2005/068616 A3

(51) International Patent Classification⁷: C07K 19/00

C12N 9/12,

(21) International Application Number:

PCT/EP2005/050131

- (22) International Filing Date: 13 January 2005 (13.01.2005)
- (25) Filing Language:

English

(26) Publication Language:

English

- (30) Priority Data: 04000847.6 16 January 2004 (16.01.2004) EP 04017928.5 29 July 2004 (29.07.2004) EP
- (71) Applicant (for all designated States except US): FRAUN-HOFER GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V. [DE/DE]; Hansastr. 27c, 80686 München (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BARTH, Stefan [DE/DE]; Neustr. 64, 52159 Roetgen (DE). TUR, Mehmet Kernal [DE/DE]; Schneebergstr. 69, 50765 Köln (DE). STÖCKER, Michael [DE/DE]; Reutershagweg 21, 52074 Aachen (DE). FISCHER, Rainer [DE/DE]; Menzerath 1, 52156 Monschau (DE).

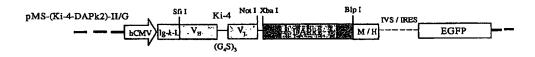
- (74) Agents: MEYERS, Hans-Wilhelm et al.; Patentanwälte von Kreisler Selting Werner, Postfach 10 22 41, 50462 Köln (DE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

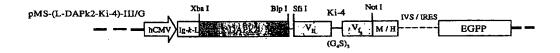
Published:

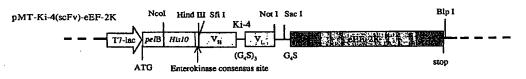
with international search report

[Continued on next page]

(54) Title: IMMUNOKINASES







(57) Abstract: A synthetic, soluble, endogenous complex formed from at least one component A and at least one component B, whereby component A comprises a binding domain for extra-cellular surface structures that internalize upon binding of component A of said complex, and component B has a constitutive catalytic kinase activity and effects cell biosynthesis/signalling including cell death after internalization. The complex allows to influence the growth and the physiology of cells. In particular said complex, nucleic acid molecules encoding it, cells transfected or transformed with these nucleic acid molecules are usable for the preparation of medicaments for the treatment of proliferative diseases, inflammatory diseases, allergies and autoimmune diseases.